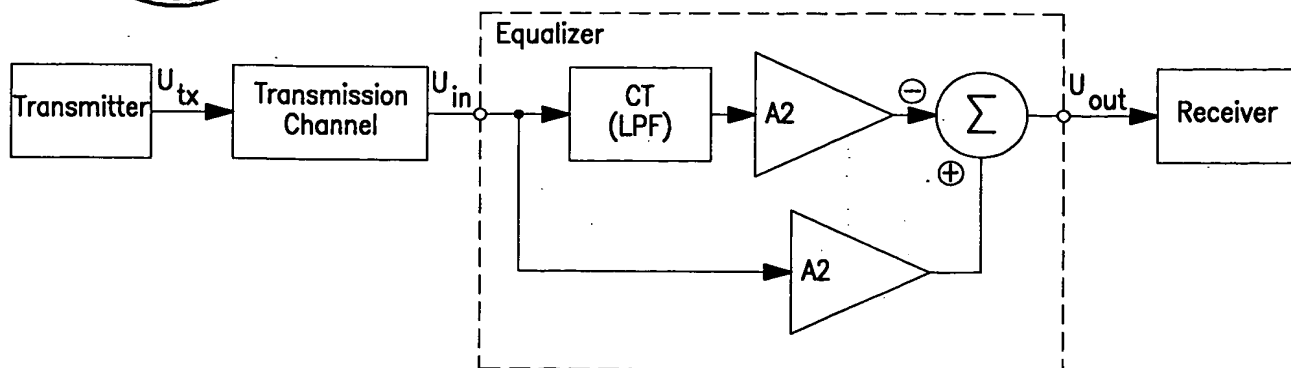**REPLACEMENT SHEET**
Title: A FEED FORWARD EQUALIZER
        AND A METHOD FOR ANALOG
        EQUALIZATION OF A DATA SIGNAL
Applicant: Peter Gregorius
Serial No.: 10/808,167
Atty Docket: 1406/143/2

FIG. 1
Prior Art

FIG. 2a
Prior Art

FIG. 2b
Prior Art

FIG. 2c
Prior Art

REPLACEMENT SHEET
Title: A FEED FORWARD EQUALIZER
AND A METHOD FOR ANALOG
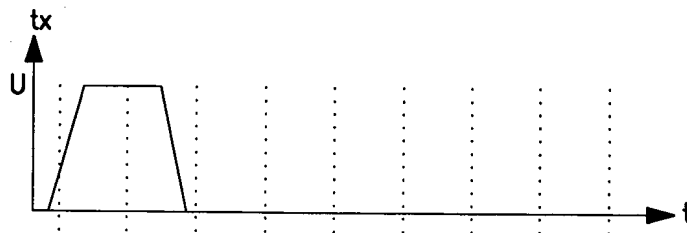EQUALIZATION OF A DATA SIGNAL
Applicant: Peter Gregorius
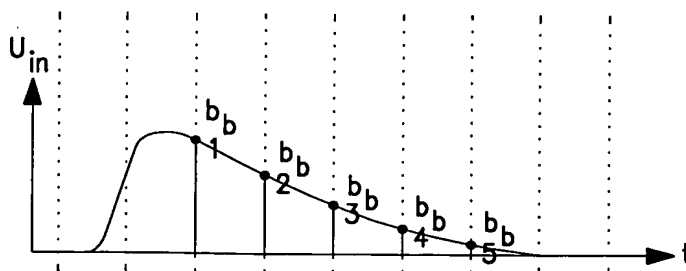Serial No.: 10/808,167
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$$H(s) = \frac{1}{\left(1 + \dfrac{s}{\omega_{pol}}\right) \cdot \left(1 + \dfrac{s}{\omega_{pur}}\right)}$$

$$\frac{\omega_{pur}}{\omega_{pol}} \downarrow$$

s—Plane

Δ

$\omega_{pur} \rightarrow \omega_{pol}$

Im, Re

FIG. 3a

$|A|$

$-3dB$

DR

ω_{pol} ω_{pur} ω

α

$0°$

$-45°$

$-90°$

DR

FIG. 3b

REPLACEMENT SHEET
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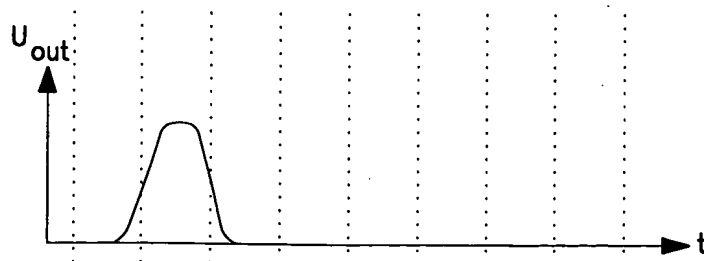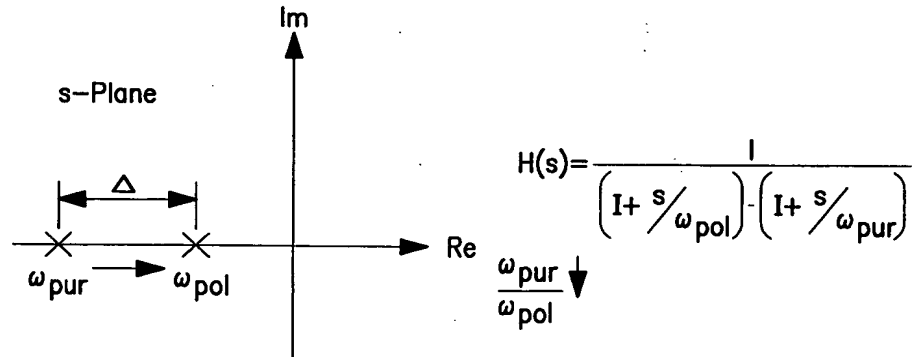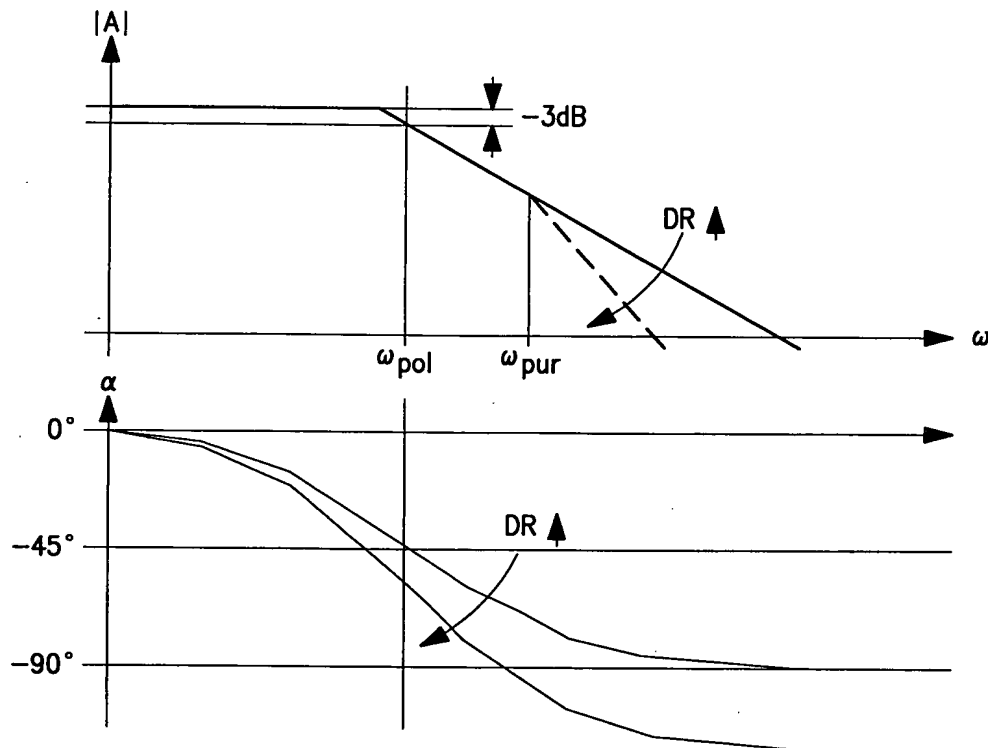Serial No.: 10/808,167
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FIG. 4

REPLACEMENT SHEET
Title: A FEED FORWARD EQUALIZER
AND A METHOD FOR ANALOG
EQUALIZATION OF A DATA SIGNAL
Applicant: Peter Gregorius
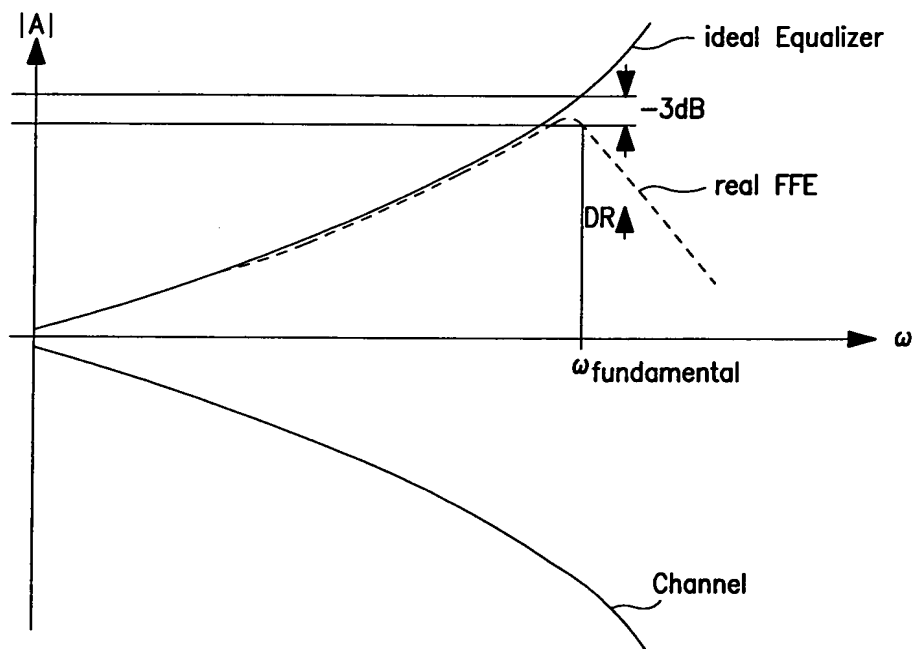Serial No.: 10/808,167
Atty Docket: 1406/143/2

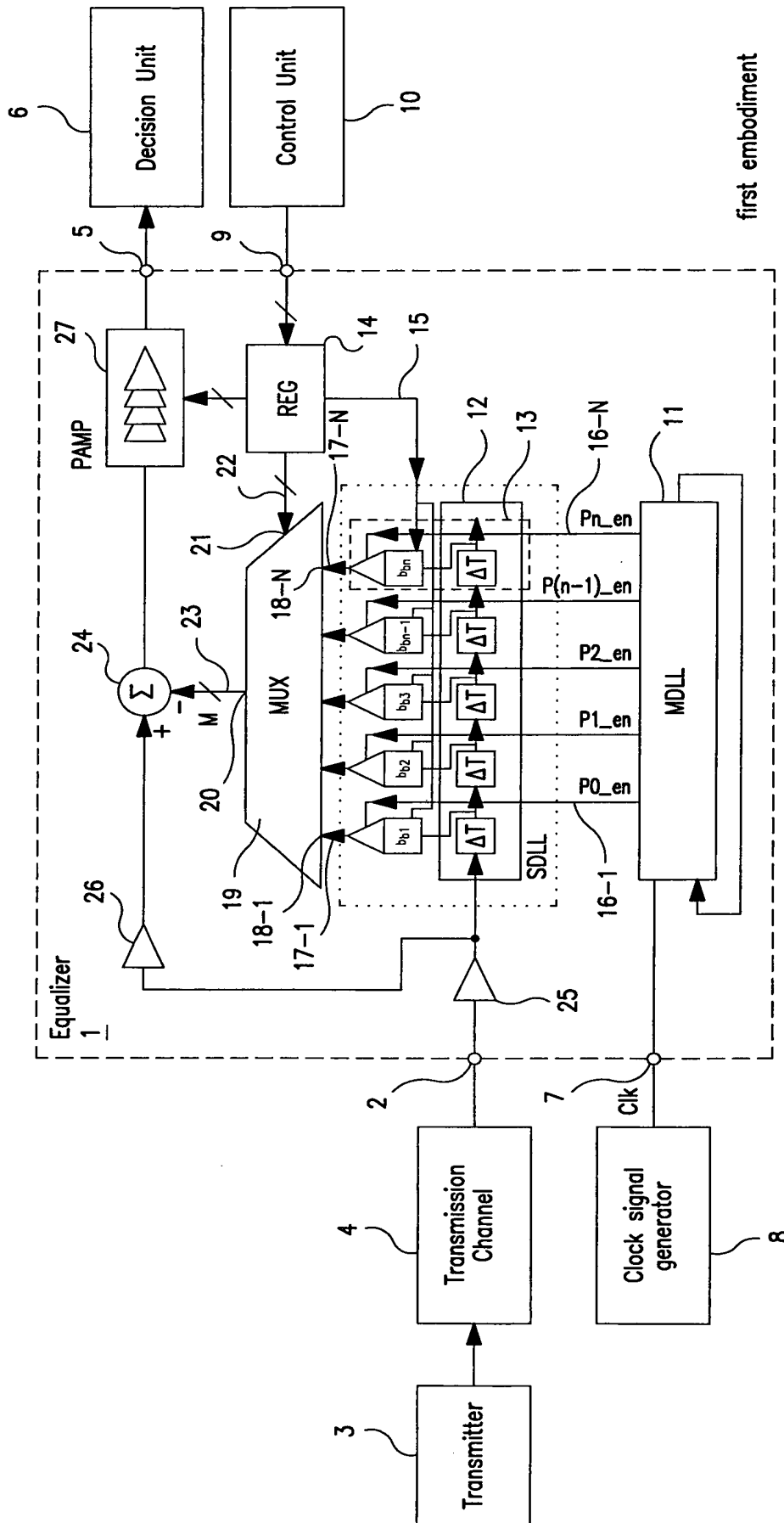first embodiment

FIG. 5

REPLACEMENT SHEET
Title: A FEED FORWARD EQUALIZER
AND A METHOD FOR ANALOG
EQUALIZATION OF A DATA SIGNAL
Applicant: Peter Gregorius
Serial No.: 10/808,167
Atty Docket: 1406/143/2
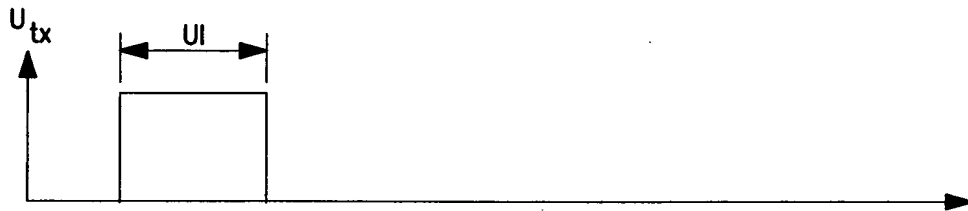
U_{tx}

UI

FIG. 6a

U_{in}

b_0 b_1 b_2 b_3 b_4 b_5

T=UI/m
Δ

FIG. 6b

U_{out}

FIG. 6c

REPLACEMENT SHEET
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Applicant: Peter Gregorius
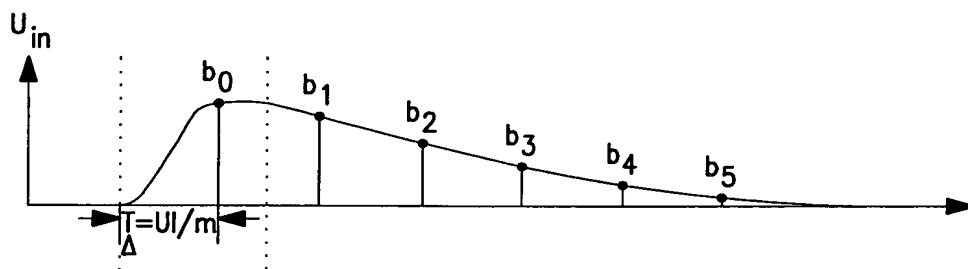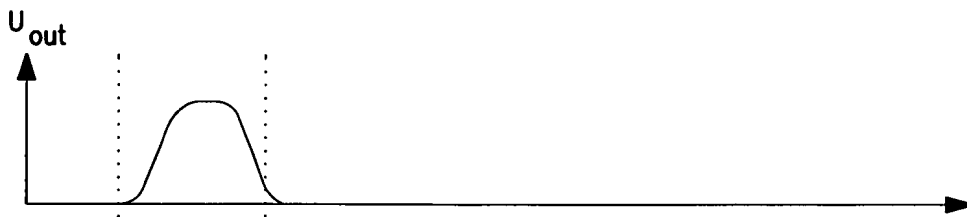Serial No.: 10/808,167
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FIG. 7

REPLACEMENT SHEET
Title: A FEED FORWARD EQUALIZER
        AND A METHOD FOR ANALOG
        EQUALIZATION OF A DATA SIGNAL
Applicant: Peter Gregorius
Serial No.: 10/808,167
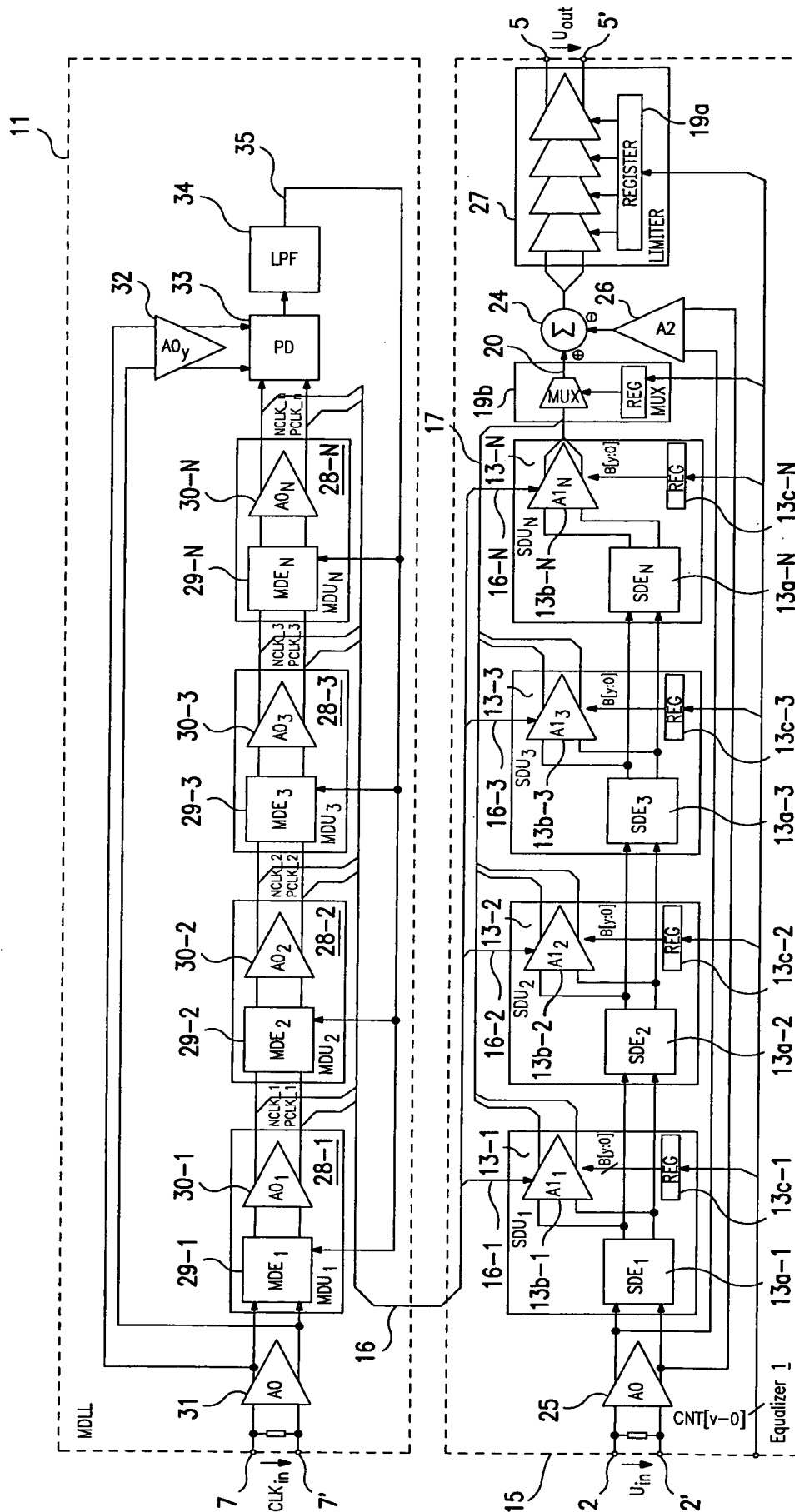Atty Docket: 1406/143/2

FIG. 8

REPLACEMENT SHEET

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AND A METHOD FOR ANALOG
EQUALIZATION OF A DATA SIGNAL
Applicant: Peter Gregorius
Serial No.: 10/808,167
Atty Docket: 1406/143/2
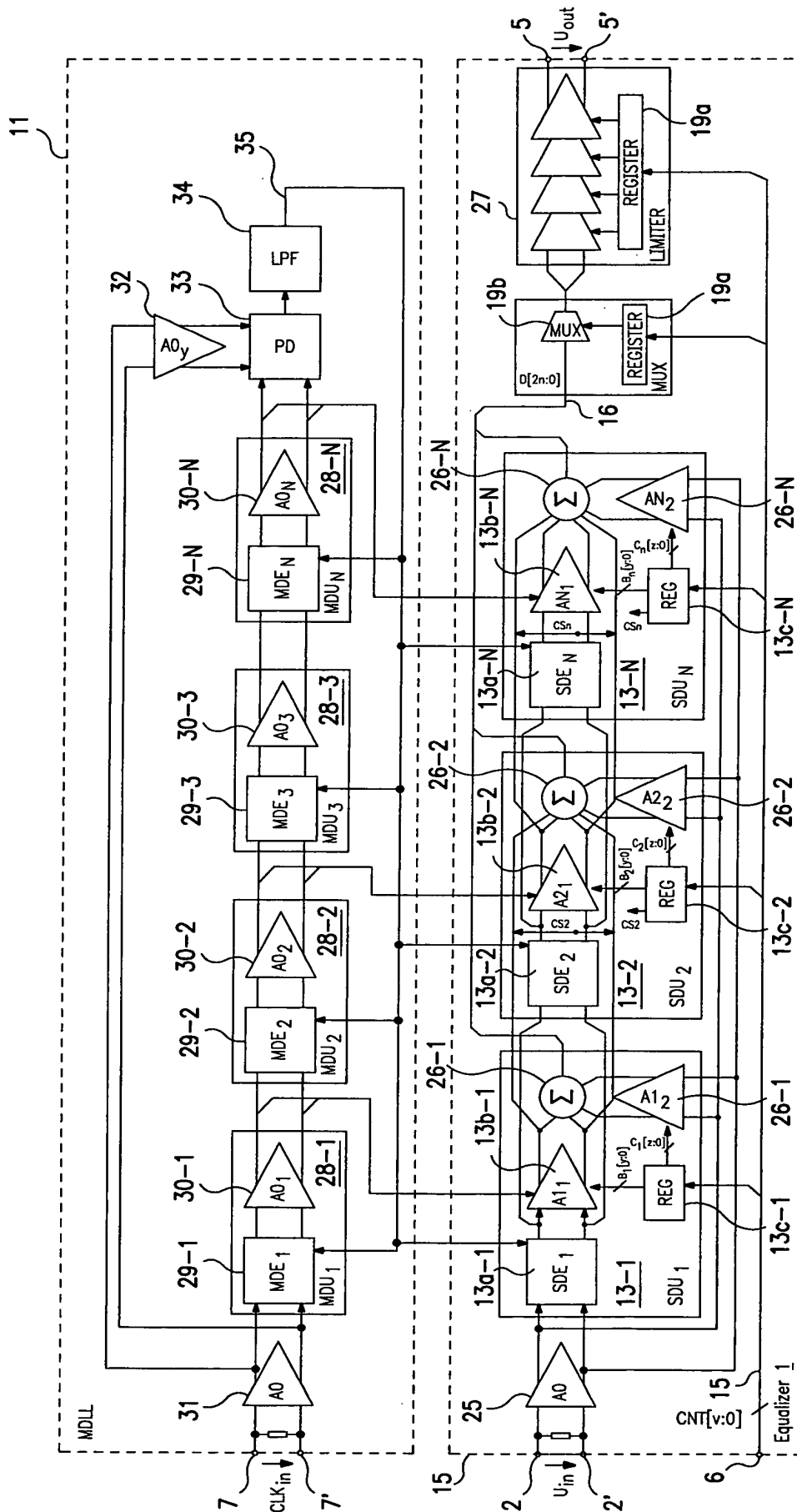
FIG. 9

REPLACEMENT SHEET
Title: A FEED FORWARD EQUALIZER
        AND A METHOD FOR ANALOG
        EQUALIZATION OF A DATA SIGNAL
Applicant: Peter Gregorius
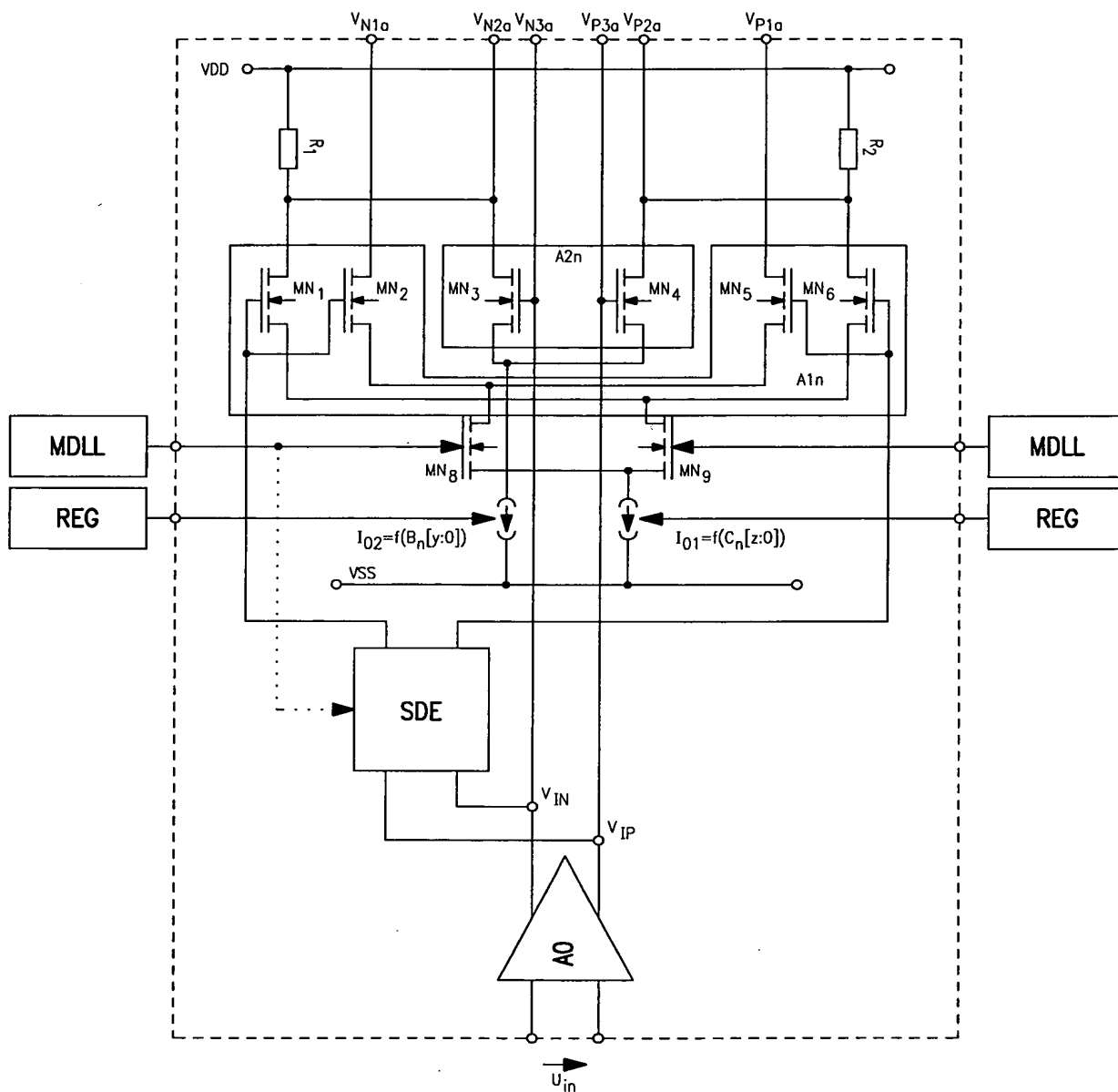Serial No.: 10/808,167
Atty Docket: 1406/143/2

FIG. IO

REPLACEMENT SHEET
Title: A FEED FORWARD EQUALIZER
AND A METHOD FOR ANALOG
EQUALIZATION OF A DATA SIGNAL
Applicant: Peter Gregorius
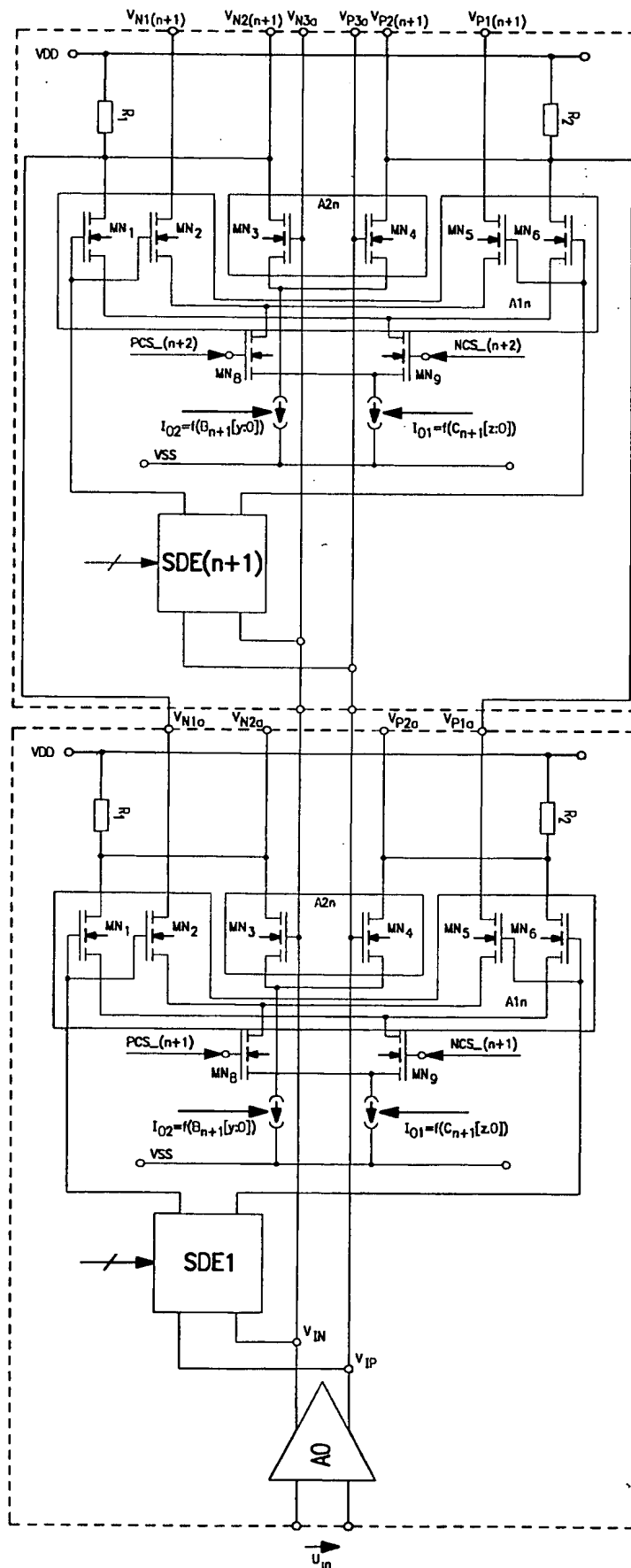Serial No.: 10/808,167
Atty Docket: 1406/143/2

FIG. 11